



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 12631784
SAU: MSAD 71
School: Sea Road School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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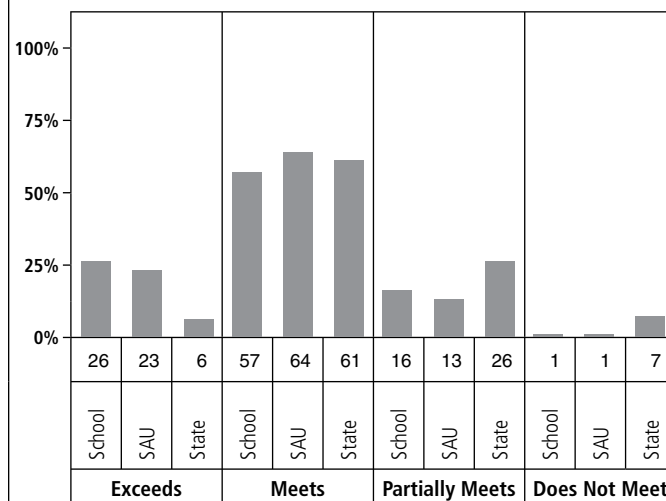
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

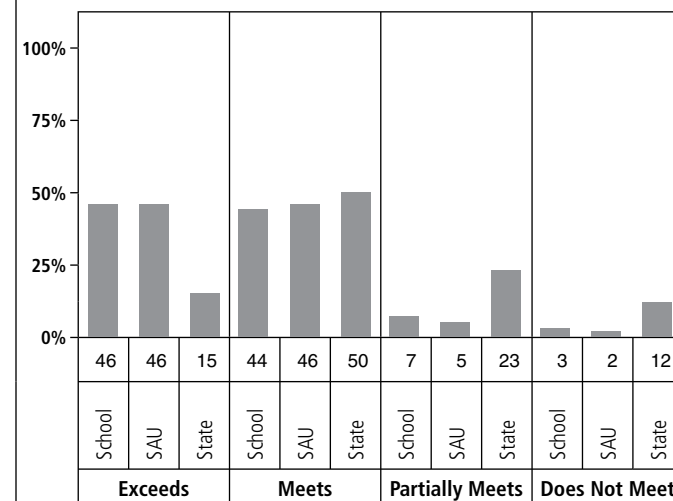
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	553	553	544
2007–2008	552	551	545
2008–2009	554	554	546
Cum. Avg.*	553	553	545
Mathematics			
2006–2007	558	558	546
2007–2008	557	557	546
2008–2009	559	560	547
Cum. Avg.*	558	558	546
Science			
2008–2009 **	550	551	543

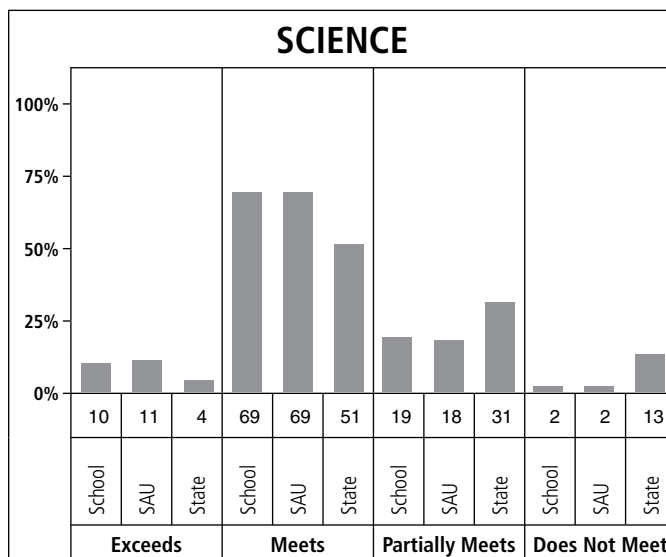
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	121	100	166	100	14212	100	121	100	166	100	14135	100	121	100	166	100	14144	100	121	100	166	100	14137	100
Ethnicity African American/Black	2	2	2	1	397	3	2	100	2	100	388	98	2	100	2	100	393	99	2	100	2	100	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	2	2	2	1	259	2	2	100	2	100	253	98	2	100	2	100	258	100	2	100	2	100	257	99
Hispanic	0	0	0	0	175	1	0	0	0	0	172	99	0	0	0	0	172	99	0	0	0	0	173	99
Caucasian/White	117	97	162	98	13271	93	117	100	162	100	13212	100	117	100	162	100	13211	100	117	100	162	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	18	15	32	19	2479	17	18	100	32	100	2454	100	18	100	32	100	2455	100	18	100	32	100	2451	99
Current LEP	3	2	4	2	374	3	3	100	4	100	359	96	3	100	4	100	370	99	3	100	4	100	366	98
Economically disadvantaged	16	13	21	13	5848	41	16	100	21	100	5815	100	16	100	21	100	5819	100	16	100	21	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	102	84	135	81	10849	76	102	84	135	81	10872	76	102	84	135	81	10976	77
Identified disability (PET/IEP)	0	0	2	1	298	3	0	0	2	1	307	3	0	0	2	1	338	3
LEP	3	3	4	3	170	2	3	3	4	3	169	2	3	3	4	3	177	2
504 plan	1	1	1	1	123	1	1	1	1	1	121	1	1	1	1	1	126	1
Participation with accommodations	19	16	29	17	3122	22	19	16	29	17	3124	22	19	16	29	17	3019	21
Identified disability (PET/IEP)	18	95	28	97	1992	64	18	95	28	97	2000	64	18	95	28	97	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	0	0	0	0	84	3	0	0	0	0	86	3	0	0	0	0	81	3
Other	1	5	1	3	907	29	1	5	1	3	886	28	1	5	1	3	826	27
Participation through alternate assessment (PAAP)	0	0	2	1	164	1	0	0	2	1	148	1	0	0	2	1	142	1
Identified disability (PET/IEP)	0	0	2	100	164	100	0	0	2	100	148	100	0	0	2	100	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	0	0	0	0	58	0	0	0	0	0	49	0	0	0	0	0	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	22	18	33	20	702	5
	2007-2008	30	20	32	19	659	5
	2008-2009	32	26	37	23	836	6
	Cum. Total*	84	21	102	21	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	89	73	118	72	7730	55
	2007-2008	101	68	117	69	8195	58
	2008-2009	69	57	105	64	8495	61
	Cum. Total*	259	66	340	68	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	11	9	12	7	4182	30
	2007-2008	14	9	14	8	3800	27
	2008-2009	19	16	21	13	3667	26
	Cum. Total*	44	11	47	9	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	0	0	0	0	1419	10
	2007-2008	4	3	7	4	1362	10
	2008-2009	1	1	1	1	973	7
	Cum. Total*	5	1	8	2	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	35.9	74.8	35.9	74.8	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	17.8	74.2	17.7	73.8	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	18.1	75.4	18.2	75.8	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	121	32	26	69	57	19	16	1	1	554	164	23	64	13	1	554	13971	6	61	26	7	546
Ethnicity																						
African American/Black	2										2						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	2										2						252	11	58	21	11	547
Hispanic	0										0						166	4	54	32	10	543
Caucasian/White	117	32	27	65	56	19	16	1	1	554	160	23	63	13	1	554	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	18	0	0	9	50	8	44	1	6	543	30	0	63	33	3	545	2290	0	29	47	23	537
No	103	32	31	60	58	11	11	0	0	556	134	28	64	8	0	556	11681	7	67	22	4	548
Current LEP																						
Yes	3										4						354	1	35	34	30	538
No	118	32	27	67	57	18	15	1	1	554	160	23	64	13	1	554	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	16	2	13	11	69	3	19	0	0	552	21	14	67	19	0	552	5716	2	51	35	12	542
No	105	30	29	58	55	16	15	1	1	554	143	24	64	12	1	554	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	121	32	26	69	57	19	16	1	1	554	164	23	64	13	1	554	13963	6	61	26	7	546
Gender																						
Female	57	16	28	33	58	8	14	0	0	555	80	24	65	11	0	555	6882	8	62	24	6	547
Male	64	16	25	36	56	11	17	1	2	553	84	21	63	14	1	553	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	12	0	0	9	75	3	25	0	0	549	13	0	77	23	0	549	1914	1	41	44	14	540
No	109	32	29	60	55	16	15	1	1	555	151	25	63	12	1	554	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										0						450	26	72	2	0	557
No	121	32	26	69	57	19	16	1	1	554	164	23	64	13	1	554	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										1	0	100	0	0	558	4	2	40	34	24	540
B. less than one hour	42	16	32	28	56	5	10	1	2	555	52	25	67	7	1	555	70	6	63	26	6	546
C. one to two hours	55	13	20	40	61	13	20	0	0	553	45	18	63	19	0	552	24	7	61	26	6	546
D. more than two hours	3	2	50	1	25	1	25	0	0	559	2	50	25	25	0	559	2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	37	19	43	20	45	4	9	1	2	558	36	38	53	7	2	557	36	10	67	18	5	549
B. good	47	10	18	37	66	9	16	0	0	553	48	15	71	14	0	553	47	5	62	27	6	546
C. fair	15	1	6	12	67	5	28	0	0	548	15	4	75	21	0	549	15	2	47	40	12	541
D. poor	2	1	50	0	0	1	50	0	0	551	1	50	0	50	0	551	2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	44	18	34	32	60	3	6	0	0	557	37	32	63	5	0	557	31	9	65	20	5	548
B. They match some of what I have learned.	52	13	21	34	55	14	23	1	2	552	58	17	65	17	1	552	55	5	63	27	5	546
C. They match just a little of what I have learned.	4	0	0	3	60	2	40	0	0	548	6	11	67	22	0	552	10	3	45	38	14	542
D. There is no match.	0										0						3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	18	6	29	12	57	2	10	1	5	556	18	21	62	14	3	553	16	3	49	32	15	542
B. about the same as my regular schoolwork	69	24	29	48	58	11	13	0	0	555	71	24	66	10	0	555	64	7	63	25	5	547
C. easier than my regular schoolwork	13	1	6	9	56	6	38	0	0	548	12	11	58	32	0	550	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	7	1	13	1	13	5	63	1	13	543	9	7	47	40	7	545	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	51	9	15	42	69	10	16	0	0	553	49	14	74	13	0	553	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	43	21	41	26	51	4	8	0	0	557	42	35	57	7	0	557	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	29	15	43	17	49	3	9	0	0	558	28	36	58	7	0	557	20	10	64	21	5	548
B. 20 minutes to an hour	58	14	20	40	58	14	20	1	1	553	60	18	64	16	1	553	56	7	65	24	5	547
C. less than 20 minutes	10	2	17	8	67	2	17	0	0	553	9	13	73	13	0	551	10	3	52	33	12	543
D. I rarely read at home.	3	0	0	4	100	0	0	0	0	552	3	0	100	0	0	552	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	9	2	20	5	50	3	30	0	0	553	9	13	60	27	0	551	25	3	53	33	11	543
B. six to ten pages	11	6	46	7	54	0	0	0	0	558	17	30	70	0	0	557	26	6	61	26	7	546
C. eleven or more pages	80	22	23	56	60	15	16	1	1	554	74	21	64	14	1	553	49	8	65	23	5	547
Optional school/SAU question																						
A.	0										0											
B.	33	0	0	0	0	1	100	0	0	540	33	0	0	100	0	540						
C.	33	0	0	1	100	0	0	0	0	548	33	0	100	0	0	548						
D.	33	0	0	1	100	0	0	0	0	548	33	0	100	0	0	548						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	46	38	54	33	1711	12
	2007-2008	53	36	62	37	1617	12
	2008-2009	56	46	76	46	2119	15
	Cum. Total*	155	40	192	39	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	61	50	93	57	6778	48
	2007-2008	77	52	86	51	7284	52
	2008-2009	53	44	75	46	7046	50
	Cum. Total*	191	49	254	51	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	14	11	15	9	3884	28
	2007-2008	13	9	16	9	3341	24
	2008-2009	8	7	9	5	3193	23
	Cum. Total*	35	9	40	8	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	1	1	1	1	1683	12
	2007-2008	5	3	5	3	1778	13
	2008-2009	4	3	4	2	1638	12
	Cum. Total*	10	3	10	2	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	33.3	69.4	33.6	70.0	25.5	53.1
A. Number	18	38	13.4	74.4	13.6	75.6	9.8	54.4
B. Data	10	21	6.4	64.0	6.4	64.0	5.2	52.0
C. Geometry	10	21	6.3	63.0	6.3	63.0	4.7	47.0
D. Algebra	10	21	7.2	72.0	7.3	73.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	121	56	46	53	44	8	7	4	3	559	164	46	46	5	2	560	13996	15	50	23	12	547
Ethnicity																						
African American/Black	2										2						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	2										2						257	19	50	20	12	548
Hispanic	0										0						166	9	43	31	17	543
Caucasian/White	117	54	46	51	44	8	7	4	3	559	160	46	46	6	3	560	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	18	0	0	12	67	3	17	3	17	542	30	13	67	10	10	548	2307	3	32	32	33	536
No	103	56	54	41	40	5	5	1	1	562	134	54	41	4	1	562	11689	17	54	21	8	549
Current LEP																						
Yes	3										4						365	5	33	30	32	536
No	118	55	47	52	44	7	6	4	3	559	160	46	46	5	3	560	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	16	9	56	5	31	2	13	0	0	560	21	52	38	10	0	560	5731	7	46	29	18	542
No	105	47	45	48	46	6	6	4	4	559	143	45	47	5	3	560	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	121	56	46	53	44	8	7	4	3	559	164	46	46	5	2	560	13988	15	50	23	12	547
Gender																						
Female	57	26	46	24	42	6	11	1	2	558	80	41	49	9	1	558	6889	14	51	23	12	546
Male	64	30	47	29	45	2	3	3	5	560	84	51	43	2	4	561	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	12	1	8	9	75	2	17	0	0	552	13	8	77	15	0	551	1918	3	39	36	22	539
No	109	55	50	44	40	6	6	4	4	560	151	50	43	5	3	560	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										0						450	64	34	2	0	564
No	121	56	46	53	44	8	7	4	3	559	164	46	46	5	2	560	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										1	100	0	0	0	572	4	8	38	26	28	539
B. less than one hour	42	26	52	22	44	1	2	1	2	561	52	51	46	2	1	561	70	15	52	23	10	547
C. one to two hours	55	28	42	28	42	7	11	3	5	557	45	41	45	10	4	557	24	15	51	23	11	547
D. more than two hours	3	1	25	3	75	0	0	0	0	562	2	25	75	0	0	562	2	9	37	24	30	539
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	34	25	61	13	32	1	2	2	5	563	36	64	31	2	3	564	34	28	50	14	8	552
B. good	53	28	44	30	48	4	6	1	2	559	54	41	52	6	1	559	45	11	54	24	10	546
C. fair	9	1	9	6	55	3	27	1	9	545	8	8	62	23	8	546	18	3	45	33	19	540
D. poor	3	0	0	4	100	0	0	0	0	548	2	0	100	0	0	548	3	1	29	41	29	535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	53	35	55	26	41	2	3	1	2	562	49	58	39	3	1	562	38	22	52	19	7	550
B. They match some of what I have learned.	42	19	38	23	46	6	12	2	4	557	44	39	49	10	3	558	48	12	53	24	11	546
C. They match just a little of what I have learned.	3	0	0	3	100	0	0	0	0	551	5	0	100	0	0	552	11	6	40	30	24	540
D. There is no match.	3	1	33	1	33	0	0	1	33	544	2	33	33	0	33	544	3	6	26	29	38	534
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	8	2	20	7	70	0	0	1	10	553	9	27	67	0	7	555	17	7	42	30	21	540
B. about the same as my regular schoolwork	63	38	51	31	41	5	7	1	1	561	60	49	44	6	1	561	64	15	53	23	10	547
C. easier than my regular schoolwork	29	15	44	15	44	3	9	1	3	558	30	47	45	6	2	559	19	24	49	17	10	550
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	2	1	50	0	0	0	0	1	50	532	2	67	0	0	33	542	7	6	39	27	27	539
B. 30–45 minutes	3	1	25	2	50	0	0	1	25	546	3	20	60	0	20	546	28	9	49	28	15	544
C. 45–60 minutes	15	3	17	9	50	5	28	1	6	549	12	21	47	26	5	550	41	17	53	21	9	548
D. more than 60 minutes	80	50	52	42	44	3	3	1	1	562	83	50	46	3	1	562	24	21	51	20	8	549
How often do you use calculators in mathematics class?																						
A. almost every day	21	8	32	14	56	1	4	2	8	556	16	35	54	4	8	557	6	14	43	24	20	543
B. two or three days a week	50	35	58	20	33	5	8	0	0	563	50	59	34	7	0	563	24	17	52	21	10	548
C. two or three times each month	21	11	44	14	56	0	0	0	0	561	23	42	58	0	0	561	33	17	52	21	9	548
D. never or almost never	8	1	10	5	50	2	20	2	20	542	10	12	65	12	12	548	38	12	49	25	14	545
How often do you use hands-on materials in mathematics class?																						
A. almost every day	58	32	46	33	47	3	4	2	3	560	48	43	51	4	3	560	23	13	47	26	15	545
B. two or three days a week	28	20	59	12	35	2	6	0	0	562	31	53	41	6	0	561	31	17	52	21	10	548
C. two or three times each month	9	2	18	5	45	3	27	1	9	549	14	43	39	13	4	558	27	17	52	21	10	548
D. never or almost never	4	1	20	3	60	0	0	1	20	547	6	40	50	0	10	555	20	12	50	24	14	545
Optional school/SAU question																						
A.	0										0											
B.	33	0	0	0	0	0	0	1	100	526	33	0	0	0	100	526						
C.	33	0	0	1	100	0	0	0	0	546	33	0	100	0	0	546						
D.	33	1	100	0	0	0	0	0	0	566	33	100	0	0	0	566						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	12	10	18	11	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	83	69	113	69	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	23	19	30	18	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	3	2	3	2	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	33.4	69.6	33.7	70.2	29.2	60.8
D. The Physical Setting	24	50	14.9	62.1	15.2	63.3	12.9	53.8
E. The Living Environment	24	50	18.5	77.1	18.5	77.1	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	121	12	10	83	69	23	19	3	2	550	164	11	69	18	2	551	13995	4	51	31	13	543
Ethnicity																						
African American/Black	2										2						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	2										2						256	5	51	27	17	542
Hispanic	0										0						167	1	40	37	22	539
Caucasian/White	117	12	10	80	68	22	19	3	3	550	160	11	69	18	2	551	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	18	0	0	11	61	6	33	1	6	541	30	3	63	30	3	545	2309	2	29	39	29	536
No	103	12	12	72	70	17	17	2	2	552	134	13	70	16	1	552	11686	5	56	30	10	545
Current LEP																						
Yes	3										4						361	1	23	32	44	533
No	118	12	10	81	69	22	19	3	3	550	160	11	69	18	2	551	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	16	2	13	10	63	4	25	0	0	551	21	14	62	24	0	552	5729	2	42	37	20	539
No	105	10	10	73	70	19	18	3	3	550	143	10	70	17	2	551	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	121	12	10	83	69	23	19	3	2	550	164	11	69	18	2	551	13987	4	51	31	13	543
Gender																						
Female	57	4	7	40	70	12	21	1	2	550	80	8	69	23	1	550	6886	4	49	33	14	542
Male	64	8	13	43	67	11	17	2	3	550	84	14	69	14	2	551	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	12	1	8	7	58	4	33	0	0	547	13	8	62	31	0	548	1917	1	31	41	28	536
No	109	11	10	76	70	19	17	3	3	550	151	11	70	17	2	551	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										0						450	25	72	2	1	557
No	121	12	10	83	69	23	19	3	2	550	164	11	69	18	2	551	13545	4	51	32	13	543

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 71
School: Sea Road School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										1	0	100	0	0	556	4	2	37	35	25	538
B. less than one hour	42	7	14	34	68	8	16	1	2	551	52	15	69	14	1	552	70	4	53	31	12	544
C. one to two hours	55	4	6	45	68	15	23	2	3	549	45	5	67	25	3	549	24	5	51	31	12	544
D. more than two hours	3	1	25	3	75	0	0	0	0	557	2	25	75	0	0	557	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	18	1	5	14	64	7	32	0	0	548	21	11	63	26	0	550	26	7	56	26	11	545
B. good	66	9	11	53	67	15	19	2	3	550	64	11	69	18	2	551	53	4	53	31	11	544
C. fair	15	2	11	14	78	1	6	1	6	552	13	9	77	9	5	551	18	2	41	39	17	540
D. poor	1	0	0	1	100	0	0	0	0	544	1	0	100	0	0	544	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	21	0	0	20	80	5	20	0	0	547	20	3	78	19	0	549	23	5	56	28	11	544
B. They match some of what I have learned.	47	5	9	39	70	10	18	2	4	551	50	11	68	19	2	551	48	5	52	31	12	544
C. They match just a little of what I have learned.	31	7	19	21	57	8	22	1	3	551	29	17	63	19	2	551	23	4	49	33	14	543
D. There is no match.	2	0	0	2	100	0	0	0	0	554	1	0	100	0	0	554	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	22	1	4	19	73	5	19	1	4	550	20	6	67	24	3	550	23	5	48	31	16	543
B. about the same as my regular schoolwork	63	7	9	51	69	14	19	2	3	550	58	10	71	17	2	551	58	4	52	32	12	543
C. easier than my regular schoolwork	15	4	22	11	61	3	17	0	0	551	22	20	66	14	0	552	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	4	0	0	2	40	3	60	0	0	542	3	0	40	60	0	542	33	5	51	31	14	543
B. a few times a week	78	9	10	63	68	19	20	2	2	550	70	9	68	21	2	550	45	4	52	32	11	544
C. once a week	13	3	19	13	81	0	0	0	0	556	12	20	80	0	0	556	8	4	50	30	16	542
D. a few times a month	4	0	0	3	60	1	20	1	20	538	15	17	67	13	4	550	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	8	1	10	4	40	4	40	1	10	545	9	21	43	29	7	550	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	13	2	13	13	81	1	6	0	0	552	13	9	86	5	0	553	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	31	6	16	27	73	4	11	0	0	554	34	16	67	16	0	554	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	48	3	5	38	67	14	25	2	4	548	44	6	69	22	3	548	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	54	5	8	43	66	16	25	1	2	549	44	7	68	24	1	549	47	4	51	32	12	543
B. a few times a month	35	6	14	29	69	6	14	1	2	552	38	13	73	13	2	552	27	5	54	30	11	544
C. once a month	9	1	9	9	82	1	9	0	0	552	13	14	76	10	0	553	10	5	49	30	15	543
D. never or almost never	2	0	0	1	50	0	0	1	50	526	6	22	33	33	11	545	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	59	6	9	50	71	13	19	1	1	551	52	8	71	19	1	551	46	4	52	32	12	543
B. a few times a month	31	5	14	23	64	7	19	1	3	551	30	13	71	15	2	551	28	5	53	30	12	544
C. once a month	8	1	11	6	67	2	22	0	0	547	12	21	63	16	0	551	11	4	47	34	15	542
D. never or almost never	3	0	0	2	67	0	0	1	33	539	7	9	55	27	9	547	15	4	50	30	16	542
Optional school/SAU question																						
A.	0										0											
B.	33	0	0	0	0	1	100	0	0	534	33	0	0	100	0	534						
C.	33	0	0	1	100	0	0	0	0	556	33	0	100	0	0	556						
D.	33	0	0	1	100	0	0	0	0	554	33	0	100	0	0	554						

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N = Number